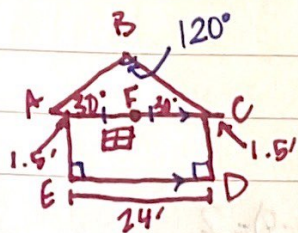
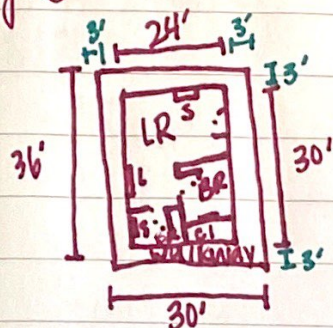
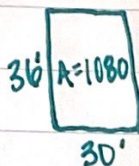


Pg. 5



20% chance of rain each day.

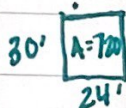
35. **C. 360**



$$36 \times 30 = 1080$$

$$\text{Whole - inside} = 1080 - 720 = 360$$

$$\text{walkway} = 360 \text{ sq. ft.}$$



$$30 \times 24 = 720$$

36. **J. \$354**

$$3 \text{ rooms} \times \$52 \text{ fans} = \$156$$

$$3 \text{ small windows} \times \$39.50 \text{ curtains} = \$118.50$$

$$1 \text{ large window} \times \$79 \text{ curtains} = \$79$$

$$(\$39.50 \times 2)$$

$$\$156 + \$118.50 + \$79 = \$353.50$$

37. **A. 0.04**

*Keyword: independent $\rightarrow P(A \text{ and } B) = P(A) \cdot P(B)$

$$*20\% \rightarrow \text{decimal} = 0.2 \quad 0.2 \times 0.2 = 0.04$$

38. **K. $\sqrt{2} + \sqrt{8}$**

$$F. \frac{\sqrt{2}}{\sqrt{8}} = \sqrt{\frac{2}{8}} = \sqrt{\frac{1}{4}} = \frac{1}{2} \quad \times$$

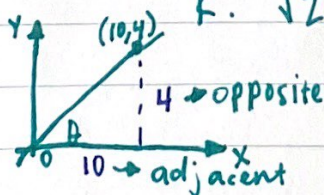
$$G. \frac{\sqrt{8}}{\sqrt{2}} = \sqrt{\frac{8}{2}} = \sqrt{4} = 2 \quad \times$$

$$H. (\sqrt{8})^2 = 8 \quad \times$$

$$J. \sqrt{2} \times \sqrt{8} = \sqrt{2 \times 8} = \sqrt{16} = 4 \quad \times$$

$$K. \sqrt{2} + \sqrt{8} = \sqrt{2} + \sqrt{4 \cdot 2} = \sqrt{2} + 2\sqrt{2} = 3\sqrt{2} \quad \checkmark$$

39. **D. $\frac{2}{5}$**



(x,y) gives distance on x & distance on y

$$\text{SOH CAH TOA} \quad \tan \theta = \frac{4}{10} = \frac{2}{5}$$

40. $\boxed{\checkmark} \cdot \boxed{2x-8=2}$
 $\boxed{-(2x-8)=2}$

$$|2x-8|+3=5$$

$$\underline{-3 \quad -3}$$

$$|2x-8|=2$$

$$2x-8=2$$

$$-(2x-8)=2$$

